

Title (en)

NOVEL PROTECTIVE CULTURES AND USE THEREOF FOR PRESERVING FOODSTUFFS OR FEEDSTUFFS

Title (de)

NEUARTIGE SCHUTZKULTUREN UND DEREN VERWENDUNG BEI DER KONSERVIERUNG VON LEBENSMITTELN ODER FUTTERMITTELN

Title (fr)

NOUVELLES CULTURES PROTECTRICES ET LEUR UTILISATION POUR LA CONSERVATION DE DENREES ALIMENTAIRES OU DE FOURRAGE

Publication

**EP 1171000 A1 20020116 (DE)**

Application

**EP 00918851 A 20000405**

Priority

- DE 19917715 A 19990409
- EP 0003025 W 20000405

Abstract (en)

[origin: US2005053702A1] The invention relates to novel protective cultures, containing lactic acid-producing bacteria for preserving foodstuffs or animal feed which can only be conserved for a limited period of time, even under refrigeration. The protective cultures can inhibit the growth of bacteria which are dangerous to the consumer, if the cold chain is interrupted, or if the prescribed cooling temperature is exceeded. The invention further relates to foodstuffs or animal feed which contain the inventive protective cultures.

IPC 1-7

**A23B 4/12; A23B 4/22; A23K 3/00; A23K 3/03; C12R 1/46**

IPC 8 full level

**A23B 4/08** (2006.01); **A23B 4/12** (2006.01); **A23B 4/22** (2006.01); **A23K 30/00** (2016.01); **A23K 30/18** (2016.01); **A23L 3/3571** (2006.01); **A23L 3/37** (2006.01); **A23L 13/70** (2016.01); **C12N 1/20** (2006.01); **C12R 1/01** (2006.01); **C12R 1/46** (2006.01)

CPC (source: EP KR US)

**A23B 4/08** (2013.01 - EP US); **A23B 4/12** (2013.01 - EP KR US); **A23B 4/22** (2013.01 - EP US); **A23K 30/00** (2016.05 - EP US); **A23K 30/18** (2016.05 - EP US); **A23L 3/3571** (2013.01 - EP US); **A23L 3/37** (2013.01 - EP US); **C12N 1/20** (2013.01 - EP US); **C12N 1/205** (2021.05 - EP US); **C12R 2001/46** (2021.05 - EP US)

Cited by

US7939119B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 2005053702 A1 20050310; US 7939119 B2 20110510;** AT E282323 T1 20041215; AU 3964800 A 20001114; AU 780255 B2 20050310; BR 0010663 A 20020219; CA 2369631 A1 20001019; CA 2369631 C 20100720; CN 100429979 C 20081105; CN 1355673 A 20020626; DE 19917715 A1 20001019; DE 50008676 D1 20041223; DK 1171000 T3 20050329; DK 1171000 T4 20091123; EP 1171000 A1 20020116; EP 1171000 B1 20041117; EP 1171000 B2 20090902; EP 1495679 A1 20050112; ES 2232436 T3 20050601; ES 2232436 T5 20091223; JP 2002540805 A 20021203; KR 100700223 B1 20070326; KR 20020012171 A 20020215; NZ 531090 A 20050930; PT 1171000 E 20050331; SI 1171000 T1 20050228; SI 1171000 T2 20100129; US 6916647 B1 20050712; WO 0060947 A1 20001019

DOCDB simple family (application)

**US 96706604 A 20041014;** AT 00918851 T 20000405; AU 3964800 A 20000405; BR 0010663 A 20000405; CA 2369631 A 20000405; CN 00808747 A 20000405; DE 19917715 A 19990409; DE 50008676 T 20000405; DK 00918851 T 20000405; EP 0003025 W 20000405; EP 00918851 A 20000405; EP 04021804 A 20000405; ES 00918851 T 20000405; JP 2000610297 A 20000405; KR 20017012909 A 20011009; NZ 53109000 A 20000405; PT 00918851 T 20000405; SI 200030560 T 20000405; US 95805102 A 20020128